Notes on the Systematy of Malayan Phanerogams XXXI Lauraceae

K.M. KOCHUMMEN
c/o FRIM, Kepong, Malaysia

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Abstract

Two new species, *Cinnamomum pubescens* and *Endiandra scrobiculata*, and two new varieties, *Actinodaphne sesquipedalis* var. *glabra* and *Lindera concinna* var. *reticulata* are described.

Introduction

Malayan Lauraceae was studied for incorporation in the 4th volume of Tree Flora of Malaya. On completion of this study, two new species, *Cinnamomum pubescens* and *Endiandra scrobiculata* and two new varieties, *Actinodaphne sesquipedalis* var. *glabra* and *Lindera concinna* var. *reticulata* were recognised which are described here.

Actinodaphne

Actinodaphne sesquipedalis Hook. f. var. ***glabra*** Kochummen *var. nov.*

A varietate typica in foliis glaberrimis differt.

This new variety has glabrous leaves with 4–6 cm long petioles and large 2–4 cm long glabrous bud scales. They are found in lowland and hill forests along the east coast of Malaya.

Cinnamomum

Cinnamomum pubescens Kochummen *sp. nov.* Fig. 1.

Ramuli juveniles paulo angulosi flavo-brunnee pubescentes. Folia alterna vel opposita 3-nervata, petiolo 1–2 cm longo longe velutino. Lamina coriacea lanceolata 7.5–16 cm longa 2.5–6 cm lata viride-lutea, apice acuto, infra subtiliter pubescenti, supra costa nervis secundariisque applanatis ad immersis, infra elevatis, nervis secundariis nervulis lateralibus paucis ad marginem radiantibus nervum infra marginalem inconspicuum arcuatum formantibus, nervis tertiariis scalariformibus confertissimis, infra distinatis, supra inconspicuis. Inflorescentia axillaris c. 10 longa, pubescens. Alabastrum globosum c. 4 mm longum, pedicello c. 2 mm longo dense pubescenti, periantho subequali fere globoso utrique dense pubescenti. Stamina 9 in seriebus 3, seriebus primis secundariisque extrosis tertiis glandulis 2 magnis cordatis in medico filamenti affixis, filamentis dense pubescentibus, staminodiis stipitatis cordatis. Ovarium paulo rugosum, stigmate decurrenti prominenti. Fructus immaturus in periantho infundibuliforme tube indurato rugoso lobis persistentibus pubescentibus sessilis, pedunculo c. 8 mm longo. (TYPUS FRI 35248 [KEP]).

This is a small tree known only from 3 collections from the mountain forests at Cameron Highlands in Pahang at about 1500 m.

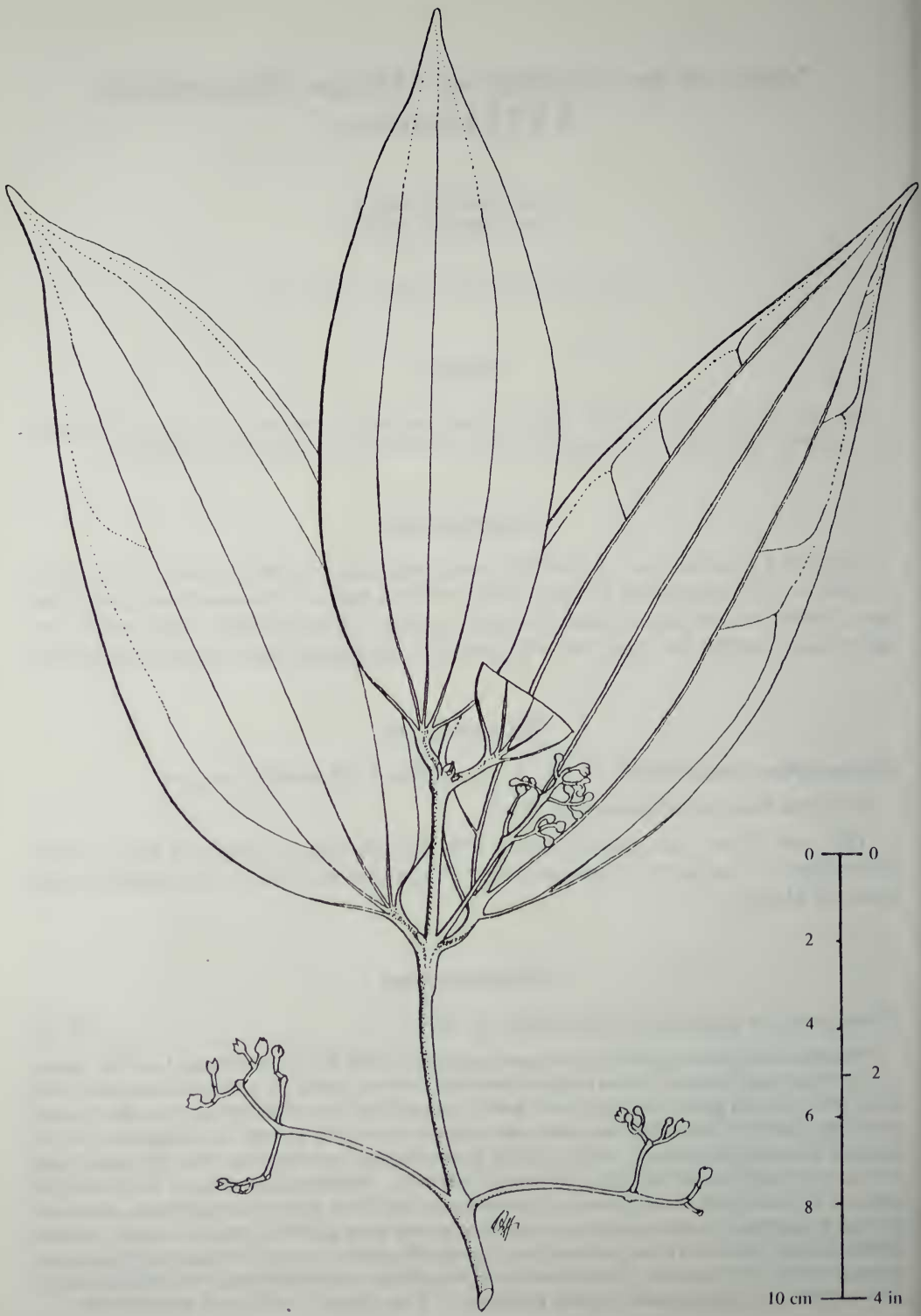

Fig. 1. *Cinnamomum pubescens* Koch. FRI. 35248.

Endiandra

Endiandra scrobiculata Kostermans ex Kochummen *sp. nov.* Fig. 2.

Arbor excelsa ad 33 m alta, caule 70 cm diam. cortex cinereo-brunnea laevis, intus rubra granulata suaveolens, ligno juvenali luteo. Ramuli atro-brunnei ad nigri, juvenales leviter angulosi. Laminae coriacea ellipticae ad lanceolatae 6.5–13 cm longa 2.5–5.5 cm latae, apice acuto, basi cuneata, costa supra applanata nigrescenti, secundariis 7–9 paribus utrinque inconspicussime elevatis, reticulationibus inconspicue manifestis, petiolo 1–1.5 cm longo. Paniculae axillares. Flores ignoti. Fructus oblongi ca. 7 cm longi 4.5 cm lati laeves atro-brunnei in sicco. (TYPUS: KEP 45477, 93366 [KEP]).

This is a rare tree known only from mountain forests at Frasers Hill, Pahang at about 1200 m.

Kostermans gave this name to the collections at Kepong years ago, however he did not publish it.

Lindera

Lindera concinna var. *reticulata* Kochummen *var. nov.*

A varietate typica in laminarium nervatura valde reticulata supra distincta quoque in ramulis dense velutinis differt.

Differs from the type variety in the strongly reticulate venation which is distinct on the upper surface of the leaf and in the densely velvety hairy twigs.

Locally common in mountain forests in Selangor and Pahang.

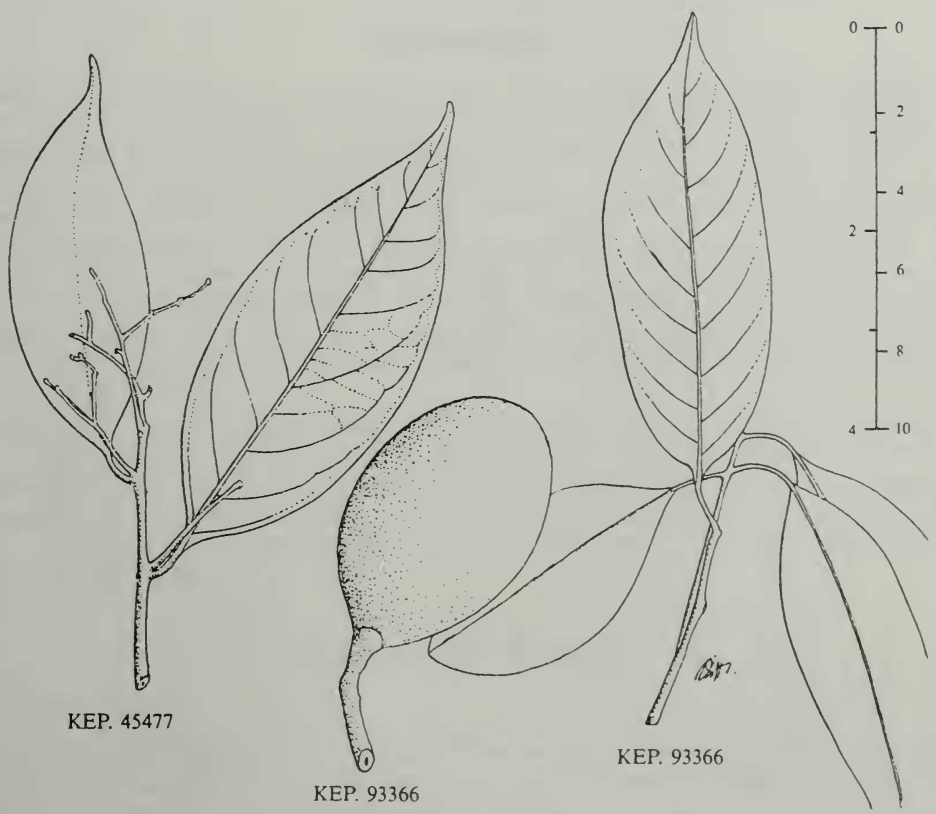

Fig. 2. *Endiandra scrobiculata.*

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